

Communications Central TROJAN Special Purpose
Integrated Remote Intelligence Terminal(SPIRIT)
Lightweight Intelligence Telecommunications
Equipment(LITE) AN/TSQ-226(V) [Update]
(version 3.0)

Date: 2013-02-19

ICoE - Mil Intelligence School

This page intentionally left blank

Table Of Contents

- 1.0 System Description
- 2.0 Target Audience
- 3.0 Assumptions
- 4.0 Training Constraints
- 5.0 System Training Concept
 - 5.1 New Equipment Training Concept (NET)
 - 5.2 Displaced Equipment Training (DET)
 - 5.3 Doctrine and Tactics Training (DTT)
 - 5.4 Training Test Support Package (TTSP)
- 6.0 Institutional Training Domain
 - 6.1 Institutional Training Concept and Strategy
- 7.0 Operational Training Domain
 - 7.1 Operational Training Concept and Strategy
- 8.0 Self-Development Training Domain
 - 8.1 Self-Development Training Concept and Strategy
- A Milestone Annex
- B References
- C Coordination Annex

This System Training Plan (STRAP) is preliminary.
Front end analysis (mission, task, job) is ongoing. ICoE - Mil Intelligence School will amend
and update this STRAP as details solidify.

ICoE - Mil Intelligence School is the proponent for this STRAP. Send comments and recommendations directly to: Stephen J Mc Farland

Comm: 520-533-5387

DSN:

Email: stephen.mcfarland@us.army.mil

Mailing address:

1.0 System Description

The Communications Central system is a split-based Satellite Communications (SATCOM) system designed to support the Intelligence Warfighting Functions (IWF) during multi-based operations. The Communication Central system consists of the AN/TSQ-226 (V) commonly known as the TROJAN Special Purpose Integrated Remote Intelligence Terminal (SPIRIT) Lightweight Intelligence Telecommunications Equipment (LITE). It supports fast-paced, flexible Army operations by providing tactical commanders with mission critical, high capacity intelligence information via voice, facsimile, digital traffic, and secondary imagery. The system provides commanders with access to worldwide multi-echelon tasking, reporting, and dissemination capabilities. The TROJAN SPIRIT LITE (TS LITE) is accredited for Top Secret/Special Compartmentalized Information (TS/SCI).

TROJAN SPIRIT LITE (TS LITE). The TS LITE satisfies the requirement for a down sized, rapidly deployable intelligence and dissemination capability. However, the TS LITE is not a replacement for an existing system, but a product improvement that supports Army transformation.

TS LITE (V)1. Consists of a 2.4 meter quick erect segmented antenna system mounted on a positioner assembly, and associated baseband and network interface equipment. The TS LITE (V) 1 is stored and transported in 17 transit cases. It provides U. S. Army Special Operations Command (USASOC) and Theatre Military Intelligence Brigades (MIB) near-real-time access to Intelligence from national agencies, joint activities, Echelons Above Corps (EAC) intelligence producers and tactically deployed collectors and units using SATCOM terminals.

TS LITE (V)2. Consists of one M1113 (Communications Vehicle Shelter), and one M1102 Light Tactical Trailer (LTT). The M1113 transports one non-expandable pallet type shelter and an on-board generator set, one environmental control unit (ECU), one 2.4 meter quick erect antenna system mounted on the top of the pallet, and associated On-Vehicle Material (OVM), and one M1097A2, HMMWV - Heavy Variant (HHV). The M1097A2 tows one Light Tactical Trailer (LTT), M1102, which will transport system components, Modular Command Post Shelter (MCPS), Associated Support Items or Equipment (ASIOE) and spares. TS LITE (V) 2 is a functional equivalent to the TROJAN SPIRIT II and was originally developed to support the Stryker Brigade Combat Team (SBCT). It provides alternative communications capabilities to the Stryker Brigade Combat Teams (SBCT's). The TS LITE (V) 2 primary purpose is voice/data connectivity. The V2 also provides connectivity to the Ground Control Station (GCS), Tactical Ground Station (TGS), Distributed Common Ground System-Army (DCGS-A), Prophet, and other intelligence platforms. Antenna positioning/satellite acquisition

can be controlled from a laptop computer through the antenna control unit (ACRU). The antenna can also be controlled by manual operator interaction through the use of the hand held antenna controller. The TS LITE (V) 2 modular design provides the capability for dismounted remote operations.

The TS LITE (V)3.Is an expanded version of the TS LITE (V) 2. The TS Lite V3 includes an additional M1113 and M1102. The additional M1113 is referred to as the Mission Vehicle Shelter. The Mission Vehicle Shelter can be networked off of the Communications Shelter to provide the commander the capability of conducting a desktop video teleconference (VTC). The Mission Vehicle Shelter also has additional ethernet, coaxial, and fiber ports in the side entry panel. The ports are able to stream live UAS video feed, network DCGS-A Portable-Multi-Functional Workstations (P-MFWS), Intelligence Fusion Servers (IFS), Tactical Edge Nodes (TEN), or additional comms into a Tactical Operation Center (TOC). It provides alternative communications capabilities to the SBCTs and Brigade Combat Teams (BCTs), to include Cavalry Regiments (CR), Division HQ's, Battlefield Surveillance Brigades (BfSB), Corps and Theater MIBs.

The TS LITE functionality is anticipated to migrate to the Warfighter Information Network - Tactical (WIN-T), Increment II. The functional migration of the TS LITE systems is projected to begin in 2015 and be completed in the 2020 time frame.

2.0 Target Audience

- Army MOS 35T, Military Intelligence System Maintainer/Integrator
- USMC MOS 2651, Special Intelligence Collector
- Any TS/SCI cleared Intelligence MOS identified by units to operate the Trojan
- Military Intelligence (MI) officers and Non-Commissioned Officers (NCO) will receive systems overview while attending their respective career courses including the MI Captain's Career Course (MICCC), MI Officer Basic Course (MIOBC), MI Pre-command Course (MIPCC), Warrant Officer Basic Course (WOBC), Warrant Officer Advanced Course (WOAC), and NCO Courses (ALC/SLC).

Current BOIP's for Brigade Combat Team SATCOM Teams identify the 35F and 35T associate to the Trojan. The 35F Critical Task List (CTL) does not identify any Trojan tasks (this is not expected to change). The 35T's do identify emplacement, operation, and maintenance tasks in their Critical Task List and receive that training at Ft. Huachuca (35F's do not receive any Trojan training).

3.0 Assumptions

- The Trojan Functional course at Ft. Huachuca continues to support training of unit identified operator/maintainer personnel from the operational force.
- Trojan capabilities migrates to the WIN-T Program of Record allowing the Trojan hardware to be incrementally defielded (beginning FY15).
- If the WIN-T migration isn't successful and Trojan remains in the force, the PM and DA G2 provides continued support and system upgrades as necessary.

4.0 Training Constraints

- Clearance requirements. Operators and Maintainers must be Top Secret/Sensitive Compartmented Information (TS/SCI) cleared.
- Facilities. Access to a Sensitive Compartmented Information Facility (SCIF) to conduct training and operations.
- Equipment. COMSEC keys are required to fill TACLANEs in order to conduct training and operations.
- Equipment. A circuit from the Trojan Network Operation Center (TNOC) for the Trojan system to get connectivity to the satellite is required to conduct training and operations.
- HHC, USAICoE Functional Course requires a TS LITE V(1) in order to support training for Special Forces Group and Ranger Regiment Soldiers.

5.0 System Training Concept

New Equipment Training (NET) at the unit location coupled with courses at Ft. Huachuca for the Army and Pensacola for the Marine Corps was the initial training strategy.

Initial system fielding is expected to end in CY12 (all systems will be fielded) meaning that NET will cease. It is anticipated that the Signal Center (SIGCEN) WIN-T Inc. II program begins taking over Trojan communication requirements in FY15. If the WIN-T program is able to provide the necessary communications for the Intelligence Community (IC), Trojan systems will be incrementally defielded as WIN-T comes on line. The SIGCEN is responsible for any training associated to WIN-T. After the last scheduled NET (CY12) and

before the SIGCEN takes over intelligence communication requirements (FY15), current Trojan systems will undergo system upgrades (replacing end of life equipment and add capability) which will require a Delta training event that is the responsibility the Trojan PM. This event will educate users all upgrades enabling them to properly employ the capability. It is expected that personnel who attend Delta training already know how to employ the Trojan, Delta won't cover areas covered during initial NET, just the upgrades.

Currently (FY13), Army Institutional training for the TS LITE (V) 1-3 is conducted at Ft. Huachuca, AZ. and consists of Advanced Individual Training for system maintainers and an MOS agnostic Functional Course for operator/user training. The operator course can be attended via TDY to Ft. Huachuca or the course can be conducted at the units location via MTT (either option requires the requesting unit to cover TDY costs). Although the 35F is assigned (via the BOIP) as the operator, units may select any TS/SCI cleared Intelligence personnel for training. Institutions use the TRADOC developed Doctrine and Tactics Training (DTT) material to educate officers and NCO's on the use and deployment considerations of Trojan (site below is where the DTT is located)

Self-development training is hosted on the following website:

<https://army.daiis.mi.army.smil.mil/inscom/trojan/g6/default.aspx>. All TSP material and additional information is hosted on the site. The site is managed by Fort Belvoir, VA TROJAN Network Control Center (TNCC).

The Marine Corps receives their primary TROJAN training for MOS 2651, Special Intelligence Communicator at their service school in Pensacola Fl. The USMC may also request training from the Ft. Huachuca functional course (either via TDY attendance or an MTT to their location at the units expense).

All training is based on the PM developed and TRADOC approved Training Support Package (TSP).

All TSP data is hosted on the following link:

5.1 New Equipment Training Concept (NET)

Initial system NET ends in CY12 (all systems have been fielded and trained). The PM is in the sustainment phase and provides Delta training to gaining units for system upgrades (all currently fielded systems will undergo an upgrade). As the PM updates the systems, he also updates the TM's and training material which are approved by the proponent training developer.

New Equipment Training (NET) and Delta training for gaining units is conducted by the New Equipment Training Team (NETT) of the Communications - Electronics Research, Development and Engineering Center (CERDEC) Intelligence and

Information Warfare Directorate (I2WD) TROJAN Branch, Aberdeen Proving Grounds, Maryland. NET is supported by the PM developed and TRADOC approved TSP. The target audience for the NET is the units 35T's (for maintenance) and any TS/SCI cleared Intelligence MOS identified by the unit as the operator.

All gaining units receive one week of combined operator and maintainer training during NET. Global SATCOM Inc provides training products for SATCOM components as needed. The key tasks trained during NET were the setup, operation and tear down procedures. At completion of NET, units are able to employ the TROJAN in support of intelligence operations.

NET utilizes actual Trojan systems, no training device was developed nor is it anticipated that one will be.

5.2 Displaced Equipment Training (DET)

It's not anticipated that DET will occur. If there is a requirement, the NETT team will present the same training utilized during gaining unit NET.

5.3 Doctrine and Tactics Training (DTT)

DTT was developed by USAICoE's New Systems Training and Integration Division (NSTID), and presented at the fielded unit as an integrated part of NET. Execution of DTT was resourced by the PM and conducted by NSTID. DTT is provided to personnel attending NET as well as to unit leaders and staff in order to provide understanding of the capabilities, employment and deployability of the system across full spectrum operations. The NET/DTT training package is available for other schools for system familiarization. DTT is the same for NET and DET (if required). DTT is the same for the Active Army and the Reserves and National Guard. The DTT is hosted on the same website that the TSP is located (identified in paragraph 5.0 above).

5.4 Training Test Support Package (TTSP)

As required, USAICoE develops, coordinates, and approves a TTSP for system test. If any testing (Operational test, Limited User Test) occurs, the PM trains the test unit personnel and TRADOC certifies that the personnel were trained. The TTSP consists of the following:

- Training schedule
- Programs of Instruction (POI)
- List of training devices and embedded training components, if applicable

- Target audience
- Lesson Plans
- Critical Task lists
- Exams
- Field manuals or changes to Field Manuals (FM)
- Certification plan

6.0 Institutional Training Domain

Institutional training exists for Army and Marine Corps system operators and maintainers at their respective services schools. Army training is located at Ft. Huachuca, AZ. Marine Corp training is located at Pensacola, FL. The strategy for this training is listed in para 6.1 below.

6.1 Institutional Training Concept and Strategy

Training at the Army institution consists of Initial Military Training (IMT) and the Trojan Functional Course.

IMT supports the 35T MOS (maintainer) and is conducted during AIT. Maintainers are trained on the employment, troubleshooting, and maintenance tasks identified by the Critical Task Site Selection Board (CTSSB) nominated critical task list. All 35T10 personnel receive this training.

A training gap exists for the operator of the Trojan. Although the BOIP for the Trojan identified the 35F as the operator, the CTSSB for the 35F didn't nominate any Trojan operator tasks for the MOS (this is not expected to change). To mitigate this gap, the Intelligence center provides a Trojan Functional course. Unit nominated personnel are either sent TDY to Ft. Huachuca or an MTT deploys to the unit (either option is at the unit's cost). The training strategy for the Functional Course integrates hands-on, realistic training events. The course provides Soldiers the training required to operate the TS LITE V1-3. Training includes an orientation brief detailing the integration of the Trojan for a better understanding of systems and information flow into all echelons of Intelligence Operations. The course also trains setup, employment and basic trouble shooting procedures.

The Functional course is open to all Army Intelligence MOS's, MI officers, and Marine Corp MOS 2651 that possess a TS/SCI clearance.

The Marine Corps trains their personnel at Corry Station, Pensacola, FL. They also have a refresher course taught at Quantico, VA. Their training is

similar to that of the Army the only difference being that have identified both the operator and maintainer MOS's.

The PM developed Program of Instruction supports all institutional training. All training is conducted on actual systems. There is a Computer Based Training (CBT) module that can assist with setup and teardown of the Trojan.

6.1.1 Product Lines

6.1.1.1 Training Information Infrastructure

Accepted DoD standards such as Army Doctrine Literature (ADL), and DoD Information Technology Standards Registry (DISR) were implemented in the design and development of embedded and distributive learning products.

6.1.1.1.1 Hardware, Software, and Communications Systems

Training system Requirement at Ft. Huachuca

- HHC, USAIC Functional Course requires two TS LITE (V)3 and one TS LITE (V)1
- B Co, 305thMI BN requires two TS LITE (V)1 and one TS LITE (V)3.

Classroom Infrastructure:

- Projector
- Smart Board
- Laptop with CD-ROM Drive and Microsoft programs
- Desks and chairs for 12 students
- Instructor Podium
- SIPR connectivity

Hard Stand for Trojan Setup/tear down training:

- 80 X 80 foot pad
- Unclassified LAN phone connection (located near hard stand)

The TROJAN Course at Pensacola FL:

- 1 standard 30 Pax classroom with Projector and computer to display slides and SIPR connectivity

- 1 TROJAN Lite (V1) with hard stand (80'X 80")
- 1 Unclassified phone line (located near the hard stand)

6.1.1.1.2 Storage, Retrieval, and Delivery

The TSP is hosted on the Intelligence Knowledge Network (IKN) at the following link:

6.1.1.1.3 Management Capabilities

Course assignments and dates for training at the institution and offsite MTTs is managed via Army Training Requirements&Resources System (ATRRS). Training materials are posted in the (Intelligence Knowledge Network (IKN), Virtual Footlocker and Army Knowledge Online (AKO) sites for read-ahead and sustainment. 35T AIT instructors require a train the trainer course, at Fort Huachuca, prior to teaching the curriculum.

6.1.1.1.4 Other Enabling Capabilities

Reference materials and supplemental information that facilitate understanding of course instruction are available at the MI Library, and the Trojan Spirit Operator Functional Course AKO website. Hard copies of user manuals, presentations, and other training materials can be produced at USAICoE's Training Material Support Branch. Electronic TMs are archived in the Central Army Resgistry (CAR) or the current approved digital library.

6.1.1.2 Training Products

Training products include computer based training (CBT), TSPs (including lesson plans, powerpoint presentations, hand held operator book, exams, Programs of Instructions), and DTT.

6.1.1.2.1 Courseware

TS LITE (V). CERDEC, I2WD is responsible for the development and upgrading of TS LITE (V) training products and provided all training material in approved TRADOC and Department of Defense (DoD) format. Methods of instruction and additional information will be available to trainers via downloadable

operational software, video teleconferencing, hosted on the Intel link TROJAN Home Pages SIPRNET <https://army.daiis.mi.army.smil.mil/inscom/trojan/g6/default.aspx> managed by Fort Belvoir, VA TROJAN Network Control Center (TNCC). All material, CBT, handbooks, etc are hosted on the site.

6.1.1.2.2 Courses

Courses currently available include:

- **Functional Course, Located at Rowe Hall on Ft. Huachuca**
- **Course Number: 3A-F76/243-F26**

Course Description: The training concept for this course is to integrate hands-on, realistic training events as possible throughout the course. The course will provide Soldiers the training required to operate the TS LITE (V). It will provide an orientation brief detailing the integration of the Communications Central for a better understanding of systems and information flow into all echelons of Intelligence Operations.

- **MI Officer Basic Leadership Course Phase Three (MIBOLCIII) , Located on Ft. Huachuca**
- **Course Number: 3-30-C20-35D**

Course Description: The training concept for this course is to provide a two-hour overview of Electronic Warfare and Tactical Signals Intelligence (SIGINT) Operations. It provides an orientation brief detailing the integration of the Communications Central for a better understanding of the COP and systems information flow into all echelons of intelligence operations.

- **MI Pre-Command Course (MIPCC), Located on Ft. Huachuca**
- **Course Number: 2G-F41**

Course Description: The training concept for this course is to provide a two-hour overview of Electronic Warfare and Tactical SIGINT Operations. It provides an orientation brief detailing the integration of the Communications Central for a better understanding of systems and information flow into all echelons of intelligence operations.

- **MI Captains Career Course (MICCC), Located on Ft. Huachuca**
- **Course Number: 3-30-C22**

Course Description: The training concept for this course is to provide a two-hour overview of Electronic Warfare and Tactical SIGINT Operations. It provides an orientation brief detailing the integration of the Communications Central for a better understanding of systems and information flow into all

echelons of intelligence operations.

- **MI Warrant Officer Basic Course (MIWOBC), Located on Ft. Huachuca**
- **Course Number: 3A-WOBC-CC-1**

Course Description: The training concept for this course is to provide a two-hour overview of Electronic Warfare and Tactical SIGINT Operations. It provides an orientation brief detailing the integration of the Communications Central for a better understanding of the COP and systems information flow into all echelons of intelligence operations.

- **MI Warrant Officer Advanced Course (MIWOAC), Located on Ft. Huachuca**
- **Course Number: C-30-C-32**

Course Description: The training concept for this course is to provide a two-hour overview of Electronic Warfare and Tactical SIGINT Operations. It provides an orientation brief detailing the integration of the Communications Central for a better understanding of the COP and systems information flow into all echelons of intelligence operations.

- **35T Advanced Individual Training Course, Located at O'neil Hall on Ft. Huachuca**
- **Course Number: 102-35T10**

Course Description: Provides unit, Direct or General Support (DS/GS), and depot level maintenance support on IEW systems and assemblies. Operates and performs up to direct support level maintenance on TS LITE (V) systems. Assorted faulty Line replaceable units (LRU) and cabling for use during troubleshooting practical exercises. Equipment must enable trainers to introduce a minimum of 20 separate system malfunctions that students must identify.

6.1.1.2.3 Training Publications

- TM 11-5895-1951-13, Communications, Central - AN/TSQ-226A(V)1
- TM 11-5895-1708-13, Communications, Central - AN/TSQ-226A (V) 2/3
- TM 11-5895-1966-13, Communications, Central - AN/TSQ-226B(V) 2/3

- TM 11-5895-1964-13, Communications, Central - AN/TSQ-226C(V) 2/3

6.1.1.2.4 Training Support Package (TSP)

The TSP provides training products for the TS LITE (V). The TSP is validated yearly to ensure current information and training. The TSP consists of lesson plans, smart cards, CBT, student handouts, and Technical Manuals necessary to train both maintainers and operators on the Trojan.

The TSP supports training at institutions, home-station, and self-development.

6.1.1.3 TADSS

Further defined in 6.1.1.3.1-5 below.

6.1.1.3.1 Training Aids

- Computer Based Training (CBT)
- Simple Key Loader (SKL)
- Power point slides projecting the different Trojan versions, and the hardware that is on the Trojan platform.

6.1.1.3.2 Training Devices

Not Applicable

6.1.1.3.3 Simulators

Not Applicable

6.1.1.3.4 Simulations

Not Applicable

6.1.1.3.5 Instrumentation

Not Applicable

6.1.1.4 Training Facilities and Land

- Training Facilities for the TROJAN operator course are located on Fort Huachuca, AZ, in the SCIFs of Rowe Hall and Friedman Hall. The lecture portion of the course will be given at Friedman Hall and the hands-on portion will be given at Rowe Hall.
- The 35T, MI Systems Maintainer/Integrator course at Ft. Huachuca, AZ. utilizes Goddard Hall for the lecture and hands-on portion of the course.
- Training for the USMC is located at Pensacola Fl. They possess the necessary classroom and hard stand requirements.

6.1.1.4.1 Ranges

Not Applicable

6.1.1.4.2 Maneuver Training Areas (MTA)

Not Applicable

6.1.1.4.3 Classrooms

A standard classroom (able to support 20 students) with projector and screen is required.

An eighty by eighty foot hard-stand pad and a portable classroom are required to support the actual systems used to conduct hands on instruction.

All required classrooms and hands-on training locations have been secured for both institutions.

6.1.1.4.4 CTCs

Not Applicable

6.1.1.4.5 Logistics Support Areas

Not Applicable

6.1.1.4.6 Battle Command Training Centers (BCTC)

Not Applicable

6.1.1.5 Training Services

The PM, as the life cycle system manager, is responsible to maintain the Training Support Package. As system updates occur, updating of the training material must occur and the proponent training developer must approve the material. Once material is updated, the proponent will update the material on the Intelligence Knowledge Network (IKN), ADD LINK and pass the material to the institution. The institutions training developers are responsible for maintaining their training material.

6.1.1.5.1 Management Support Services

Not Applicable

6.1.1.5.2 Acquisition Support Services

Not Applicable

6.1.1.5.3 General Support Services

Support Personnel are used to convert and/or customize command and staff products, reference databases, and message sets production by the National Simulation Center, the Intelligence Center, and those imported from other Simulation Centers (SIMCENTERS). The IEW Maintenance shop provides maintenance support for the TS LITE (V) systems at USAICoE.

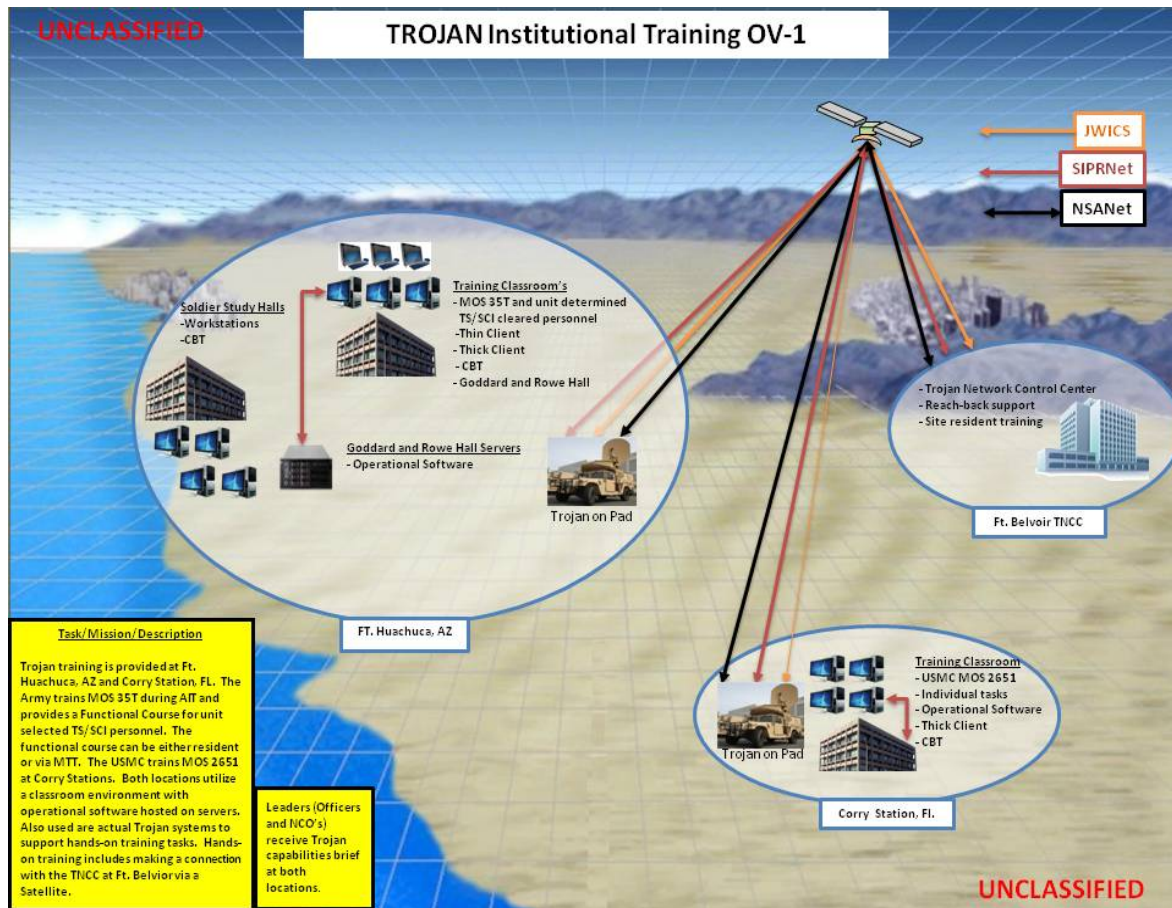
6.1.2 Architectures and Standards Component

6.1.2.1 Operational View (OV)

6.1.2.2 Systems View (SV)

6.1.2.3 Technical View (TV)

- Enterprise Services - GIG Enterprise Services consist of Core Services, Community of Interest (COI) Services and Environment Control Services (ECS). Core services are considered to provide the enterprise-wide re-useable services that facilitate net-centricity. In the context of the BFN TV-1, Core Services are considered to be Discovery, Information Transfer, Collaboration, Applications, Network Services and User Interface Services. Core Services are generally made available to the enterprise for common use



wherever appropriate. COI services normally provide for War-fighter, Business, or Enterprise Management Services. For the purpose of the BFN TV-1, COI services consist of Enterprise System Management Services (e.g., Network Management, Data Management and Spectrum Management). Environment Control Services (ECS) are abstracted Core and COI Services that are expected as being provided, in part, through the GIG End-to-End IA Initiative and through the implemented policy controls of all other programs contributing to the GIG. The ECS are viewed as the guardian of the information and supporting resources. Currently there are no ECS Services that have been identified.

- **Network Technologies** - Network Technology standards support access to LANs and other networks (e.g., through the use of IP) based on the physical, data link, and network, and transport (layers 1, 2, 3 and 4) of the OSI reference model. These technologies also include the transport services (e.g., TCP and UDP) that characterize the end-to-end processing of traffic.

- Messaging - These are standards that support both synchronous and asynchronous information exchange among users requiring or applications supporting BFN capabilities (e.g., Email, DMS, VMF, USMTF, TADIL, OTH, Message Oriented Middleware, etc.).
- Satellite Communications - Satellite communications standards provide interfaces for the transmission of voice and data. Military Satellite Communications (MILSATCOM) systems include those systems owned or leased and operated by the DoD and those commercial satellite communications services used by DoD. The implementation of a particular satellite link will require the use of satellite terminals, a user communications extension, and military or commercial satellite resources.
- Radio Communications - Radio communications standards provide interfaces for the transmission of radio signals for low to super high radio signals. These standards address voice, data, as well as anti-jamming capabilities.
- Information Assurance - Information Assurance and Security standards include all levels of classification and encompass availability, integrity, authentication, confidentiality, auditing, and non-repudiation. For the purposes of this TV-1, the sub-categories for IA were determined based on those applicable to developing commercial technology.

6.1.3 Management, Evaluation, and Resource (MER) Processes Component

6.1.3.1 Management

Not Applicable

6.1.3.2 Evaluation

6.1.3.2.1 Quality Assurance (QA)

The Quality Assurance Office (QAO) receives feedback from the users/Center of Army Lessons Learned to ensure the training products produced and the students

trained meet the user's needs. Feedback assists USAICoE in correcting training deficiencies, and provides information that may affect the next generation of equipment or production improvements. Field training exercise results and/or operational experiences from the users is used in addition to institutional training evaluation data.

6.1.3.2.2 Assessments

6.1.3.2.3 Customer Feedback

6.1.3.2.4 Lessons Learned/After-Action Reviews (AARs)

The Lessons Learned Team (LLT) of Fort Huachuca collect and provide feedback from units. The Trojan training team provided the LLT 22 questions to take out to the units on 11/30/2011. The questions provided to the LLT are:

1. What type of training did you receive MTT, resident course or NET Training?
2. Did NMIB/ Inbrief provide enough information to begin fielding/training process?
3. How was NET training? Did you have any training while deployed?
4. Were you provided any leave behind material for new or refresher training?
5. Did you conduct any rehearsal training prior to training?
6. Were there any issues with getting fielded equipment (e.g. timeline to short, etc.)?
7. What system version did you have (e.g TS LITE V(2) phase 2)?
8. Did the unit provide their own TS LITE/T-LITE or did they fall-in on TPE?
9. Was the unit requested/directed to leave their system for another unit?
10. Was the unit aware of and take advantage of automatic turn-in for RESET?
11. Were there any activities (outside MI CO) that used part of the TROJAN capability?
12. If so what percentage of use was from outside activities?
13. Did the MI CO obtain their JWICS and NSANET service locally or via TS LITE?
14. Did the TS LITE terminal provide adequate bandwidth to support both routine and surge operations?

15. Did the MI CO receive any of their SIPRNET service from SIGNAL sources, i.e JNN/WIN-T? If no, explain (NOTE: Units are required, to the maximum extent possible, to obtain their SIPR service from SIGNAL sources.)
16. Any continuing hardware failure issues?
17. Any sustainment training issues?
18. Any continuing maintenance issues with Regional Support Center (RSC) Mantech?
19. Do you have any suggestions to improve TS LITE operations?
20. Were you fielded a new TROJAN or receive a NET for Phase 1 or Phase 2 system?
21. Were there any conflict between old and new or upgraded systems?
22. Was there a military rep there for training?

The Trojan functional course conducts Pre/Post course survey's on students whom go through the course. The functional course also conducts AAR's at the end of each class in order to improve or sustain the training of the course.

6.1.3.3 Resource

Due to the systems current position in the acquisition cycle (already fielded), minimal training/training development resources are required to maintain the program. Equipment and training development processes have been delivered or completed. As testing for the WIN-T transition progress, if it is determined that WIN-T cannot provide the necessary IC community communications and Trojan must remain in the fleet, this section will be updated as the way forward is determined.

- Resources are available to USAICoE for resident training and distributive learning, and include Army Correspondence Course Program (ACCP), Soldier's Training Publications (STP), Army Training and Evaluation Program (ARTEP), and Combined Arms Training Strategy (CATS) training development.
- Subject matter experts are available for training development. They manage, develop, and revise information on the initial front-end analysis, Basis of Issue Plans BIOP/QQPRI, cost and training effectiveness analysis, training and effectiveness analysis, STRAP, TMs, and FMs. These personnel are from NSTID. Communications Central systems are a subject area that has Army-wide

impact. TDY funds are required for training development for the Communications Central, its modifications, and product improvements. These personnel attend In Process Reviews, training support working groups, and integrated logistic support management support team conferences/meetings. The funds are based on the following formula: lodging rate rental car M&IE air fare misc.

- Funding is available from CERDEC, I2WD for the New Systems Training and Integration Directorate (NSTID) to participate in training development meetings, integrated logistics support management team meetings, in-process reviews, DTT, Instructor and Key personnel Training (IKPT), and Validation and Verification (V&V) of training materials and technical manuals (as required).

7.0 Operational Training Domain

7.1 Operational Training Concept and Strategy

NET is the primary method to train units who were fielded Trojan. NET trains the unit how to operate and troubleshoot the Trojan system based on the TSP. Sustainment training emphasized "train the trainer" using the supplied TSP that contains the lesson plans, training aids, and CBT utilized during NET. All material from the TSP is hosted on the Intelligence Knowledge Network (IKN). The material developer created, updated and distributed DL packages in support of system-specific upgrades, P3I, and quick reaction capabilities. Mission Tasks for the Trojan are incorporated into appropriate training products such as Combined Arms Training Strategy (CATS) in order to support full spectrum operations training.

Units (both Army and Marine Corps) lacking qualified operators or maintainers can request support from the USAICoE Functional Course. The unit can either send their TS/SCI cleared personnel to Ft. Huachuca or Ft. Huachuca will send an MTT to the units location (either option requires the requesting unit to fund the TDY).

All operational training occurs on actual systems. Sustainment training also requires the use of the actual system, the TSP, and the CBT.

Units who conduct field training exercises that intend to have split based operations should employ their systems during that exercise. Units should also take their Trojan systems to National Training Centers to again support

both split based and intelligence reach operations at the SECRET and above levels. Units need to consider the requirements of a T-SCIF, COMSEC, and Satellite time costs during training or exercises.

7.1.1 Product Lines

7.1.1.1 Training Information Infrastructure

Accepted DoD standards such as the Army Training Network (ATN) ADL, and DISR were implemented in the design and development of embedded and distributive learning products.

ATN Link is <https://atn.army.mil/>

7.1.1.1.1 Hardware, Software, and Communications Systems

A laptop that runs Windows XP or higher is needed for use of the DVD/CD-ROM CBT. The laptop doesn't require access to the NIPR unless the user wishes to gain access to the Web hosted TSP. A TSP was left behind for unit sustainment and is hosted on IKN as mentioned in 6.1.1.2.4

7.1.1.1.2 Storage, Retrieval, and Delivery

CERDEC, I2WD is responsible for providing a DVD/CD-ROM system setup and tear down training program.

The TSP is available at the following link (AKO authentication via CAC is required):

<https://ikn.army.mil/apps/dms/?folder=%5CCapabilities%20Development%5CNSTID%5CTraining%20Materials%5CTrojan>

7.1.1.1.3 Management Capabilities

Not Applicable

7.1.1.1.4 Other Enabling Capabilities

Not Applicable

7.1.1.2 Training Products

Not Applicable

7.1.1.3 TADSS

7.1.1.3.1 Training Aids

CD-ROM/DVD.The Performance Work Statement (PWS) details the requirements for STRATEGIC SERVICES SOURCING (S3) PROGRAM support services required for Computer Based Training (CBT) of the TROJAN Special Purpose Integrated Remote Intelligence Terminal (SPIRIT) family of systems, to include all versions of the TROJAN SPIRIT Lightweight Integrated Telecommunications Equipment (LITE) systems. This effort will include software engineering and development of a new training curriculum utilizing CBT.

7.1.1.3.2 Training Devices

Not Applicable

7.1.1.3.3 Simulators

Not Applicable

7.1.1.3.4 Simulations

Not Applicable

7.1.1.3.5 Instrumentation

Not Applicable

7.1.1.4 Training Facilities and Land

Units will require a Top Secret/ Sensitive Compartmented Information (TS/SCI) Sensitive Compartmented Information Facility (SCIF) or a Tactical-SCIF(TSCIF) to conduct operational training using SCI key material. The TSCIF must be properly accredited and authorized by the Defense Intelligence Agency (DIA) prior to use.

Training can also be conducted in the Secret-High mode (will still require a SCIF or TSCIF). Prior to operating in Secret-High mode, coordination with the TNCC must be made, and the secret Key material must be used.

7.1.1.4.1 Ranges

Not Applicable

7.1.1.4.2 Maneuver Training Areas (MTA)

No unique training area requirements exist, available MTA's at the units location are adequate.

7.1.1.4.3 Classrooms

Proper training utilizing the TSP will require a general purpose facility that can seat 12 personnel, with a computer and projector and screen.

7.1.1.4.4 CTCs

Units should take their Trojan assets during a CTC rotation to support split-based operations. Units need to consider issues such as personnel clearances, Satellite time, and shipment and storage of Crypto.

7.1.1.4.5 Logistics Support Areas

Typical unit office locations are adequate to store the Trojan TSP. If units develop classified training material they will need to follow proper storage procedures. The Trojan TSP is also hosted on the Intelligence Knowledge Network (IKN) <https://ikn.army.mil/apps/dms/?folder=\Training Development and Support\NSTID\Training Materials\Trojan>

7.1.1.4.6 Battle Command Training Centers (BCTC)

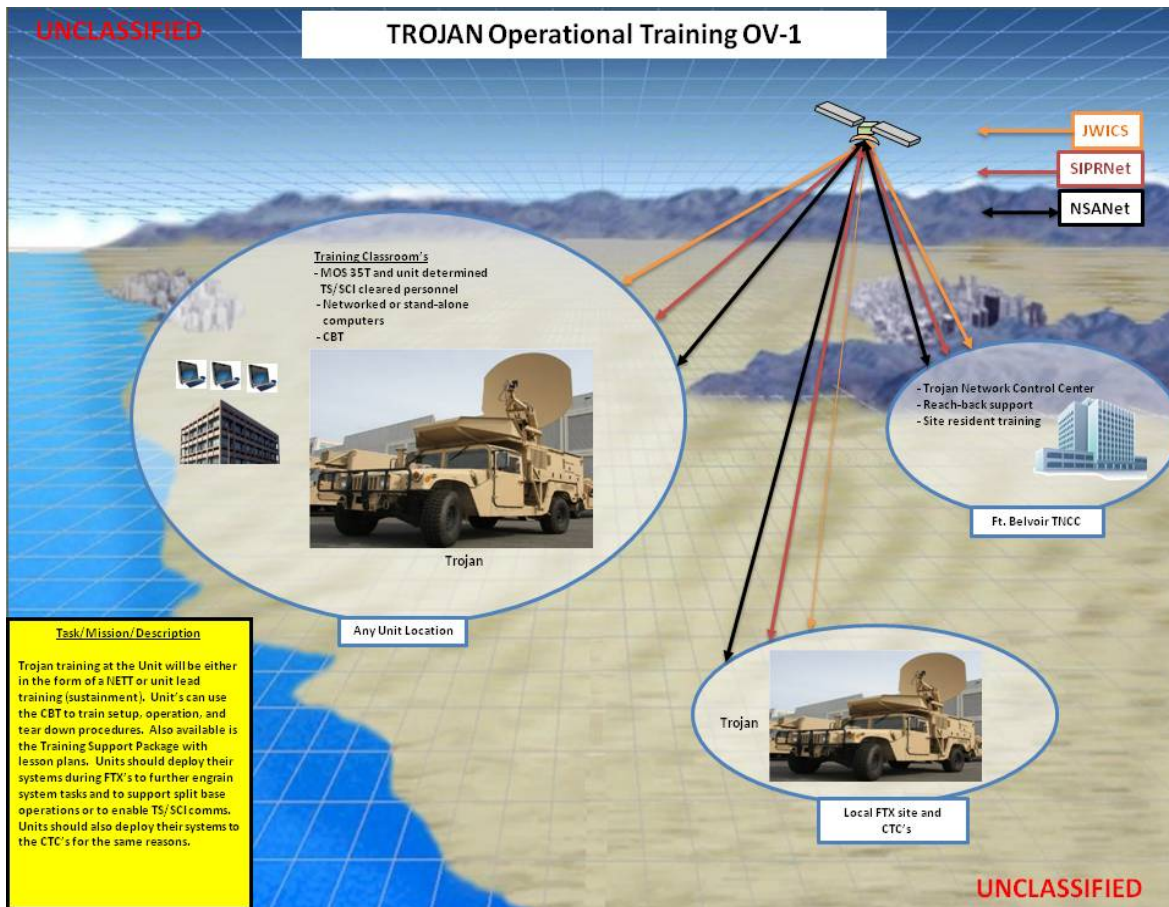
Not Applicable

7.1.1.5 Training Services

Not Applicable

7.1.2 Architectures and Standards Component

7.1.2.1 Operational View (OV)



7.1.2.2 Systems View (SV)

7.1.2.3 Technical View (TV)

- Enterprise Services - GIG Enterprise Services consist of Core Services, Community of Interest (COI) Services and Environment Control Services (ECS). Core services are considered to provide the enterprise-wide re-useable services that facilitate net-centricity. In the context of the BFN TV-1, Core Services are considered to be Discovery, Information Transfer, Collaboration, Applications, Network Services and User Interface Services. Core Services are generally made available to the enterprise for common use wherever appropriate. COI services normally provide for War-fighter, Business, or Enterprise Management Services. For the purpose of the BFN TV-1, COI services consist of Enterprise System Management Services (e.g., Network Management, Data Management and Spectrum Management). Environment Control Services (ECS) are abstracted Core and COI Services that are expected as being provided, in part, through the GIG End-to-End IA Initiative and through the implemented policy controls of all other programs contributing to the GIG. The ECS are viewed as the guardian of the information and supporting resources. Currently there are no ECS Services

that have been identified.

- **Network Technologies** - Network Technology standards support access to LANs and other networks (e.g., through the use of IP) based on the physical, data link, and network, and transport (layers 1, 2, 3 and 4) of the OSI reference model. These technologies also include the transport services (e.g., TCP and UDP) that characterize the end-to-end processing of traffic.
- **Messaging** - These are standards that support both synchronous and asynchronous information exchange among users requiring or applications supporting BFN capabilities (e.g., Email, DMS, VMF, USMTF, TADIL, OTH, Message Oriented Middleware, etc.).
- **Satellite Communications** - Satellite communications standards provide interfaces for the transmission of voice and data. Military Satellite Communications (MILSATCOM) systems include those systems owned or leased and operated by the DoD and those commercial satellite communications services used by DoD. The implementation of a particular satellite link will require the use of satellite terminals, a user communications extension, and military or commercial satellite resources.
- **Radio Communications** - Radio communications standards provide interfaces for the transmission of radio signals for low to super high radio signals. These standards address voice, data, as well as anti-jamming capabilities.
- **Information Assurance** - Information Assurance and Security standards include all levels of classification and encompass availability, integrity, authentication, confidentiality, auditing, and non-repudiation. For the purposes of this TV-1, the sub-categories for IA were determined based on those applicable to developing commercial technology.

7.1.3 Management, Evaluation, and Resource (MER) Processes Component

7.1.3.1 Management

Not Applicable

7.1.3.2 Evaluation

7.1.3.2.1 Quality Assurance (QA)

Not Applicable

7.1.3.2.2 Assessments

Not Applicable

7.1.3.2.3 Customer Feedback

Not Applicable

7.1.3.2.4 Lessons Learned/After-Action Reviews (AARs)

Pending responses back from the Lessons Learned Team.

7.1.3.3 Resource Processes

- Funding will be provided by the material developer (CERDEC, I2WD) to produce a downloadable computer-based training program. The training software will be downloadable to a CD-ROM/DVD format. It will provide unclassified updated training information for the TS LITE (V) systems and SATCOM information, along with the Training Support Package (TSP). Classified updates will be posted on the Intel link TROJAN Home Pages SIPRNET: www.Trojan.army.smil.mil and JWICS www.Trojan.ic.gov sites.
- CERDEC, I2WD will provide resources for the USAICoE QAO to conduct Post Fielding Effectiveness Analysis (PFTEA) to assess NET Training.
- CERDEC, I2WD is the proponent for development of all communications central computer-based/CD-ROM/DVD training products. The Intelligence Center is responsible for validating and verifying the information. This will include any modifications and changes in training products. Personnel from the Intelligence Center may be required to go TDY to perform SME support for product development. Costs may increase depending on the amount of USAIC&FH involvement.

8.0 Self-Development Training Domain

8.1 Self-Development Training Concept and Strategy

The TROJAN Homepage(s) provides the operators the most current information that is available on the TS LITE systems. It is also a method/medium for operators to contact other operators and the subject matter experts at the Intelligence Center and the TNCC for answers to their questions and up to date doctrine and training information. Both the SIPRNET and JWICS sites are managed by the TNCC out of Fort Belvoir, VA. They will provide a download site for developing web-based training software and TSPs. Sustainment training will emphasize DL. This requires the individuals to have access to computers with web browser capabilities and CD-ROM/DVD drives. They will be used as training aids for all training packages generated by the material developer. These packages will be in the form of electronic portable media and will include any procedural or doctrinal changes and any upgrades or other changes to the training. The material developer creates and fields the DL packages that involve system-specific upgrades, P3I, and quick reaction capabilities. CERDEC, I2WD will maintain these packages.

8.1.1 Product Lines

8.1.1.1 Training Information Infrastructure

Accepted DoD standards such as ADL, and DISR will be implemented in the design and development of embedded and distributive learning products.

8.1.1.1.1 Hardware, Software, and Communications Systems

Not Applicable

8.1.1.1.2 Storage, Retrieval, and Delivery

CERDEC, I2WD is responsible for providing a DVD/CD-ROM training program.

Information will also be available through the Intel link TROJAN Home Page <https://army.daiis.mi.army.smil.mil/inscom/trojan/g6/default.aspx> managed by Fort Belvoir, VA TROJAN Network Control Center (TNCC), positional handbooks and doctrinal literature.

8.1.1.1.3 Management Capabilities

Not Applicable

8.1.1.1.4 Other Enabling Capabilities

Not Applicable

8.1.1.2 Training Products

8.1.1.2.1 Courseware

8.1.1.2.2 Courses

8.1.1.2.3 Training Publications

- TM 11-5895-1951-13, Communications, Central - AN/TSQ-226A(V)1
- TM 11-5895-1708-13, Communications, Central - AN/TSQ-226A(V)2/3
- TM 11-5895-1966-13, Communications, Central - AN/TSQ-226B(V)2/3
- TM 11-5895-1964-13, Communications, Central - AN/TSQ-226C(V)2/3

8.1.1.2.4 Training Support Package (TSP)

The TSP was developed by CERDEC, I2WD to provide training products for the TS LITE (V). The TSP includes all developed training slides, handouts, CBT, and the DTT brief. NSTID validated the TSP for the Trojan (V1) on 7 SEP 2010. NSTID validated the TSP for the Trojan (V2)(without phase I or II upgrades) on 2 APR 2010.

8.1.1.3 Training Aids, Devices, Simulators and Simulations (TADSS)

8.1.1.3.1 Training Aids

- **CD-ROM/DVD.** The Performance Work Statement (PWS) details the requirements for STRATEGIC SERVICES SOURCING (S3) PROGRAM support services required for Computer Based Training (CBT) of the TROJAN Special Purpose Integrated Remote Intelligence Terminal (SPIRIT) family of systems, to include all versions of the TROJAN SPIRIT Lightweight Integrated Telecommunications Equipment (LITE) systems. This effort will include software engineering and development of a new training curriculum utilizing CBT.
- A Training Support Package will be provided to Soldiers and the unit by the NETT. Materials such as Student Reference Guides (SRG), training presentations, and student handouts can be used by the Soldiers and the unit for sustainment training.

8.1.1.3.2 Training Devices

Not Applicable

8.1.1.3.3 Simulators

Not Applicable

8.1.1.3.4 Simulations

Not Applicable

8.1.1.3.5 Instrumentation

Not Applicable

8.1.1.4 Training Facilities and Land

Not Applicable

8.1.1.5 Training Services

Not Applicable

8.1.2 Architectures and Standards Component

8.1.2.1 Operational View (OV)

8.1.2.2 Systems View (SV)

8.1.2.3 Technical View (TV)

8.1.3 Management, Evaluation, and Resource (MER) Processes Component

8.1.3.1 Management

Not Applicable

8.1.3.2 Evaluation

8.1.3.2.1 Quality Assurance (QA)

Not Applicable

8.1.3.2.2 Assessments

Not Applicable

8.1.3.2.3 Customer Feedback

Not Applicable

8.1.3.2.4 Lessons Learned/After-Action Reviews (AARs)

Not Applicable

8.1.3.3 Resource Processes

- Funding will be provided by the material developer (CERDEC, I2WD) to produce a computer-based training program. The training software will be provided in a CD-ROM/DVD format. It will provide unclassified updated training information for the TS LITE (V) systems and SATCOM information, along with the TSP. Classified updates will be posted on the Intel link TROJAN Home Pages in SIPRNET
<https://army.daiis.mi.army.smil.mil/inscom/trojan/g6/default.aspx> site.

A Milestone Annex

ANNEX A

Training Development Milestone Schedule(s)

SYSTEM MILESTONE SCHEDULE - SHEET A		PAGE 1 OF 1 PAGES	REQUIREMENTS CONTROL SYMBOL:NA	
SYSTEM: Communications Central		ACAT: III	OFFICE SYMBOL ATZS-CDI-N	AS OF DATE: 2 Dec 2012
POINTS OF CONTACT		NAME	OFFICE SYMBOL	TELEPHONE
Readiness Command Developer		Scott Kelley IEWSD Mike Perez George Massabni I2WD	AMSEL-LC-IEW-R-EC AMSEL-LCR-T RDER-IWG-TR	443-861-1560 DSN: 848-6229 DSN: 848-0757
TRADOC PROPONENT:				
TRADOC Capabilities Mgr:		COL Riehle	ATZS-CDI-G	DSN 821-5579
CD:		Gene Frantz	ATZS-CDI-G	DSN 821-2331
TD:		SFC Kaiser	ATZS-CDI-N	(520)533-5645 DSN 821-5645
ITEM	DATE	RESPONSIBLE AGENCY/POC		TELEPHONE
MNS	MAY 99	USAICoE DCD/Mr. Frantz		DNS 821-2331
SMMP:		Waived 19 Oct 92 by Joint WG at TRADOC		
ORD:	APR 06	USAICoE DCD/Mr. Frantz		DSN 821-2331
ILSMP:	Sep 92	I2WD/Mr. Mike Rice		443-861-0498
TTSP:		Waived 19 OCT 92 by Joint WG at TRADOC		
BOIP:	AUG 06	USAICoE, FDC/Steven Phillips		DSN 821-0367
COMMENTS: BOIP date is for TS II (V) 3, TS LITE (V) 1, and (V) 2 (updated 12				

Jul 11) and (V) 3 (updated 6 Dec 11).

TRADOCFORM 569R-E, Aug 89

SYSTEM MILESTONE SCHEDULE - SHEET B				PAGE 1 OF 5 PAGES				REQUIREMENTS CONTROL SYMBOL N/A												
SYSTEM: Communications Central				TRADOC SCHOOL : USAICoE				AS OF DATE: 2 Dec 2011												
COMPLETED BY : SFC Kaiser, Chad				OFFICE SYMBOL: ATZS- CDI-N				TELEPHONE: (520) 533-5628												
TRAINING PACKAGE ELEMENT/PRODUCT: Individual Training - TS LITE (V)																				
MILESTONES BY QUARTER																				
LEGEND :	FY 12				FY 13				FY 14				FY 15				FY 16			
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q
Annotat ed task list Review	X				X				X				X				X			
CAD Update		X				X				X				X				X		
Tng progra m worksh eet Review			X					X				X				X				X
ITP Review			X				X				X				X				X	
POI Review	X				X				X				X				X			

COMMENTS:Initial ITP submitted, analysis complete, annotated task list completed, CAD, training program worksheet completed, and ITP were all completed 3QFY05. POI completed4QFY05. Resident course start date was 1QFY06. This was the initialization of a TS LITE (V) 3 system into the current TS II Operator Course.

TRADOCFORM 569-1-R-E, Aug 89

STEM MILESTONE SCHEDULE - SHEET B	PAGE 2 OF 5 PAGES				REQUIREMENTS CONTROL SYMBOL N/A							
SYSTEM: Communications Central				TRADOC SCHOOL : USAIC&FH				AS OF DATE: 2 Dec 2011				
COMPLETED BY : SFC Kaiser, Chad				OFFICE SYMBOL: ATZS-CDI-N				TELEPHONE: (520) 533-5645				
TRAINING PACKAGE ELEMENT/PRODUCT: Training Products: TS LITE (V) CD ROM												
MILESTONES BY QUARTER												
LEGEND:	FY 12				FY 13				FY 14			
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q
Submitted POM												
Contract awarded												
Story Board Development		X										
Design			X									
Limited Production				X								
Field Review				X								
Final Review				X								
Operational Production					X							
COMMENTS:												

Updates to the CBT are required due to P3I upgrades. The PM has obtained funding to update the CD ROM to reflect the TS LITE Phase II configuration.

TRADOCFORM 569-1-R-E, Aug 89

SYSTEM MILESTONE SCHEDULE - SHEET B										PAGE 3 OF 5 PAGES					REQUIREMENTS CONTROL SYMBOL N/A									
SYSTEM:Communications Central										TRADOC SCHOOL : USAICoE										AS OF DATE : 2 Dec 2011				
COMPLETED BY: SFC Kaiser, Chad															OFFICE SYMBOL: ATZS-CDI-N					TELEPHONE: (520) 533-5645				
TRAINING PACKAGE ELEMENT/PRODUCT: Training Products: Web-based Training																								
	MILESTONES BY QUARTER																							
LEGEND:	FY 12				FY 13				FY 14				FY 15				FY 16							
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q				
Submit URF																								
Funding received by PM					X																			
Contract Awarded					X																			
Information Gathering Phase						X																		
Status Review						X																		
Draft Web-Posting							X																	
Comment							X																	

Incorporation																			
Final Release								X											
COMMENTS: The site will have downloadable training products and the TSP for TS LITE (V). POM submitted for FY08-13, approved as a critical item, remains unfunded.																			

TRADOCFORM 569-1-R-E, Aug 89

SYSTEM MILESTONE SCHEDULE - SHEET B								PAGE 4 OF 5 PAGES				REQUIREMENTS CONTROL SYMBOL N/A								
SYSTEM: Communications Central								TRADOC SCHOOL : USAICoE								AS OF DATE: 2 Dec 2011				
COMPLETED BY : SFC Kaiser, Chad										OFFICE SYMBOL: ATZS-CDI-N				TELEPHONE: (520) 533-5645						
TRAINING PACKAGE ELEMENT/PRODUCT: Training Products: TS LITE (V) - NET Products																				
MILESTONES BY QUARTER																				
LEGEND :	FY 12				FY 13				FY 14				FY 15				FY 16			
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q
TSP Updates		X				X					X				X				X	
TSP Review	X				X				X				X				X			
DTT Review				X				X				X				X				X

COMMENTS:First NET with new TSP was completed 1QFY05. DTT will be updated for P3I upgrades.

TRADOCFORM 569-1-R-E, Aug 89

SYSTEM MILESTONE SCHEDULE - SHEET B										PAGE 5 OF 5 PAGES				REQUIREMENTS CONTROL SYMBOL N/A									
SYSTEM: TS LITE (V)										TRADOC SCHOOL : USAICoE										AS OF DATE: 2 Dec 2011			
COMPLETED BY : Mr. Anthony P. DiMurro														OFFICE SYMBOL: ATZS-TDS-IS				TELEPHONE: (520) 533-0704					
TRAINING PACKAGE ELEMENT/PRODUCT: Individual Training - TS LITE (V)																							
MILESTONES BY QUARTER																							
LEGEND :	FY 12				FY 13				FY 14				FY 15				FY 16						
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q			
Initial ITP submitted																							
Analysis Completed		X				X				X				X				X					
Annotated task list completed			X				X				X				X				X				
CAD																							

Tng progra m worksh eet comple ted																				
ITP				X				X				X				X				X
POI		X				X				X				X				X		
Reside nt course start date	X				X				X				X				X			
<p>COMMENTS:Initial ITP submitted, analysis complete, annotated task list completed, CAD, training program worksheet completed, and ITP were all completed 2QFY04. POI completed2QFY06. Resident course start date was 1QFY07. This was the initialization of a TS LITE (V) 3 system into the current 102-33W10 MI Maintainer/Integrator Course.</p>																				

B References

Operational Requirements Document, Director Combat Development, OCT 2011

Basis of Issue Plan, Director Combat Development

Headquarters, Department of the Army, Interim Brigade Combat Team Fragmentary Order, 22 FEB 01

IBCT O&O, 30 JUN 00 Final

TM 11-5895-1951-13, Communications, Central - AN/TSQ-226A(V)1 NEW

TM 11-5895-1708-13, Communications, Central - AN/TSQ-226A(V)2/3 NEW

TM 11-5895-1966-13, Communications, Central - AN/TSQ-226B(V)2/3 NEW

TM 11-5895-1964-13, Communications, Central - AN/TSQ-226C(V)2/3 NEW

C Coordination Annex

Organization/POC (Date)	Summary of Comments Submitted (A/S/C)			Comments Accepted/ Rejected						Rationale for Non-Acceptance - S, C
				Accepted			Rejected			
	A	S	C	A	S	C	A	S	C	
v2.2.3 Richard P Athanas 2013/02/11 - 2013/02/21	Document Accepted As Written			0	0	0	0	0	0	-
v2.2.2 Approvals - James A Callahan 2013/02/11 - 2013/02/21	Document Accepted As Written			0	0	0	0	0	0	-
v2.2 Army - USARC G7 (US Army Reserve Cmd) 2013/01/02 - 2013/02/01	No Comments Submitted			0	0	0	0	0	0	-
v2.2 Army - TRADOC_ARCIC 2013/01/02 - 2013/02/01	No Comments Submitted			0	0	0	0	0	0	-
v2.2 Army - TRADOC G-3/5 2013/01/02 - 2013/02/01	No Comments Submitted			0	0	0	0	0	0	-
v2.2 Army - SIGCoE - Signal School 2013/01/02 - 2013/02/01	1	0	0	1	0	0	0	0	0	
v2.2 Army - HQDA G2 - Alternate POC 2013/01/02 - 2013/02/01	No Comments Submitted			0	0	0	0	0	0	-
v2.2 Army - HQDA G2	No Comments			0	0	0	0	0	0	-

2013/01/02 - 2013/02/01	Submitted									
v2.2 Army - Combined Arms Center 2013/01/02 - 2013/02/01	No Comments Submitted			0	0	0	0	0	0	-
v2.2 Army - CAC-T; Training Management Dir 2013/01/02 - 2013/02/01	1	4	0	1	4	0	0	0	0	
v2.2 Army - ATSC TSAID 2013/01/02 - 2013/02/01	No Comments Submitted			0	0	0	0	0	0	-
v2.2 Army - ATSC Fielded Devices 2013/01/02 - 2013/02/01	Document Accepted As Written			0	0	0	0	0	0	-
v2.2 Army - ATSC 2013/01/02 - 2013/02/01	No Comments Submitted			0	0	0	0	0	0	-
v2.2 Army - ARNG- RMQ-RA 2013/01/02 - 2013/02/01	Document Accepted As Written			0	0	0	0	0	0	-
v2.1 Peer - USASOC 2012/11/21 - 2012/12/21	No Comments Submitted			0	0	0	0	0	0	-
v2.1 Peer - USAACE - Aviation School 2012/11/21 - 2012/12/21	Document Accepted As Written			0	0	0	0	0	0	-
v2.1 Peer - Transportation School 2012/11/21 - 2012/12/21	No Comments Submitted			0	0	0	0	0	0	-

v2.1 Peer - SIGCoE - Signal School 2012/11/21 - 2012/12/21	Document Accepted As Written	0	0	0	0	0	0	-
v2.1 Peer - SCoE 2012/11/21 - 2012/12/21	Document Accepted As Written	0	0	0	0	0	0	-
v2.1 Peer - MSCoE - MANSCEN 2012/11/21 - 2012/12/21	1 0 0 1 0 0 0 0 0							
v2.1 Peer - MCoE - Infantry&Armor School 2012/11/21 - 2012/12/21	No Comments Submitted	0	0	0	0	0	0	-
v2.1 Peer - MANSCEN-Military Police 2012/11/21 - 2012/12/21	No Comments Submitted	0	0	0	0	0	0	-
v2.1 Peer - FCoE- ADA School 2012/11/21 - 2012/12/21	Document Accepted As Written	0	0	0	0	0	0	-
v2.1 Peer - FCoE - Field Artillery 2012/11/21 - 2012/12/21	Document Accepted As Written	0	0	0	0	0	0	-
v2.1 Peer - AVNCoE Aviation Logistics School 2012/11/21 - 2012/12/21	No Comments Submitted	0	0	0	0	0	0	-
v2.1 Peer - AMC G-8 2012/11/21 - 2012/12/21	No Comments Submitted	0	0	0	0	0	0	-

Key
Completed Review with Comments
Completed Review, No Comments
Active Review Occurring



DEPARTMENT OF THE ARMY
UNITED STATES ARMY INTELLIGENCE CENTER OF EXCELLENCE
1903 HATFIELD STREET
FORT HUACHUCA, ARIZONA 85613-7000

ATZS-DC

8 February 2013

MEMORANDUM FOR Director, New Systems Training and Integration Directorate (ATZS-CDI-N), 550 Cibique Street, Ft. Huachuca, AZ 85613-7017

SUBJECT: Approval of System Training Plan (STRAP) for the Communications Central TROJAN Special Purpose Integrated Remote Intelligence Terminal (SPIRIT) Lightweight Intelligence Telecommunications Equipment (LITE) AN/TSQ-226 (V)

1. The TROJAN LITE STRAP is approved. Approved STRAP will be posted to the Central Army Registry (CAR) website: www.adtdl.army.mil.
2. Point of contact is Mr. Stephen McFarland, NSTID STRAP Manager DSN 821-5387, (520) 533-5387, stephen.j.mcfarland.civ@mail.mil.


JEFFREY E. JENNINGS
COL, MI
Deputy Commander, Training